

What is claimed is:

1. A scanning device comprising:

an engaging recess defined between two ridges on two sides of a body of the scanning device, the engaging recess including an open end and a close end in which a connection port is defined which is adapted to be connected to a PDA;

a scanner received in one of the two ridges and a scanning window defined in an outside of the scanner, an active shaft connected to a side of the scanner and a first gear wheel connected to an end of the active shaft, the first gear wheel located at outside of the body of the scanning device, a second gear wheel connected to the other side of the scanner and located at outside of the body of the scanning device, a transmission assembly engaged with the first gear wheel and the second gear wheel; and

an optical sensing assembly co-rotatably engaged with the transmission assembly.

2. The device as claimed in claim 1, wherein the transmission assembly includes a first gear and a second gear respectively engaged with the first gear wheel and the second gear wheel, a pinion located between the first gear and the second gear and engaged with the first gear and the second gear, the pinion co-axially connected to a third gear which is engaged with a shaft of the optical mask.

3. The device as claimed in claim 1, wherein the optical sensing assembly includes an optical mask and an optical receiving member which is located at a position from which a gap is defined between the optical mask and the optical receiving member.